

I CLAIM:

1) An apparatus for projecting a light beam through a transparent structure, comprising:

- 5 a) a detachably securable vacuum sealable mechanism engaging the transparent structure's surface;
- b) a lighting mechanism in electrical communication with said detachably securable vacuum sealable mechanism;
- 10 c) said lighting mechanism engaging the transparent structure's surface via a sealing mechanism; and
- d) said lighting mechanism projecting the light beam through the transparent structure.

2) An apparatus for projecting a light beam as recited in Claim 1 wherein
15 said lighting mechanism is in electrical communication with said detachably securable vacuum sealable mechanism via an elongated supporting member connecting said vacuum sealable mechanism to said lighting mechanism.

20 3) An apparatus for projecting a light beam as recited in Claim 1 wherein said vacuum sealable mechanism is a cup shaped vacuum seal.

4) An apparatus for projecting a light beam as recited in Claim 1 wherein
25 said vacuum sealable mechanism is an arcuate shaped vacuum seal.

5) An apparatus for projecting a light beam as recited in Claim 1 further comprising:

- a) a release mechanism connectively disposed to said vacuum sealable mechanism; and

b) said release mechanism causing the release of said lighting mechanism from the transparent structure's surface.

5 6) An apparatus for projecting a light beam as recited in Claim 5 wherein said release mechanism is a lever connectively disposed on said vacuum sealable mechanism, said lever disengaging the vacuum seal thereby disengaging said lighting mechanism from the transparent structure.

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7) An apparatus for projecting a light beam as recited in Claim 1 wherein said sealing mechanism is a soft seal connectively disposed to said lighting mechanism, said soft seal engaging the transparent structure.

15 8) An apparatus for projecting a light beam through a transparent structure wherein the transparent structure is encased in a metal frame, comprising:

a) a detachably securable magnetic mechanism engaging the transparent structure's metal frame;

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b) a lighting mechanism in electrical communication with said detachably securable magnetic mechanism;

c) said lighting mechanism engaging the transparent structure's surface via a sealing mechanism; and

d) said lighting mechanism projecting the light beam through the transparent structure.

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9) An apparatus for projecting a light beam through a transparent structure, comprising:

a) a first elongated cylinder having one end closed, said closed end

having a handle connectively disposed thereon;

b) a vacuum cup connectively disposed to said first elongated cylinder's other end, said vacuum cup engaging the transparent structure's surface forming a vacuum seal thereon;

5 c) a second elongated cylinder having one end closed;

d) a third elongated cylinder having one end closed, said third elongated cylinder slidably insertable into said second elongated cylinder;

10 e) an elongated supporting member connecting said second elongated cylinder to said third elongated cylinder;

f) a sealing mechanism connectively disposed about said third elongated cylinder's other end, said sealing mechanism engaging the transparent structure;

15 g) a lighting mechanism connectively disposed within the confines of said third elongated cylinder, said lighting mechanism projecting a light beam through the transparent structure via said sealing mechanism; and

20 h) a vacuum release mechanism connectively disposed to said first elongated cylinder, activating said vacuum release mechanism causing said first elongated cylinder and said third elongated cylinder to disengage the transparent structure's surface.

25 10) An apparatus for projecting a light beam as recited in Claim 1 further comprising:

i) an activation receiver connectively disposed to said lighting mechanism;

j) a remote transmitter in communication with said activation receiver;

- k) said remote transmitter controlling said lighting mechanism projecting the light beam through the transparent structure.

5 11) An apparatus for projecting a light beam as recited in Claim 10 wherein said remote transmitter's light activation switch overhangs said remote transmitter's light deactivation switch.

10 12) An apparatus for projecting a light beam as recited in Claim 8 further comprising:

- d) an activation receiver connectively disposed to said lighting mechanism;
- e) a remote transmitter in communication with said activation receiver via a signal carrying conductor;
- 15 f) said remote transmitter controlling said lighting mechanism projecting the light beam through the transparent structure.

20 13) An apparatus for projecting a light beam through a transparent structure, comprising:

- a) a magnetically securable housing;
- b) a detachably securable sealable lighting mechanism engaging the transparent structure's surface;
- c) an elongated extendable arm connecting said lighting mechanism to said housing;
- 25 d) said lighting mechanism receiving power from said housing; and
- e) said lighting mechanism projecting the light beam through the transparent structure.

14) An apparatus for projecting a light beam as recited in Claim 8 further
comprising an elongated supporting member connecting said sealing
5 mechanism to said lighting mechanism.

15) An apparatus for projecting a light beam as recited in Claim 8 wherein
said sealing mechanism is a cup shaped seal.

10 16) An apparatus for projecting a light beam as recited in Claim 8 wherein
said sealing mechanism is an arcuate shaped seal.

15 17) An apparatus for projecting a light beam as recited in Claim 1 wherein
said lighting mechanism and said detachably securable vacuum
sealable mechanism in combination form a hands-free lighting
mechanism.

20 18) An apparatus for projecting a light beam as recited in Claim 17
wherein said hands-free lighting mechanism is substantially U-
shaped.

25 19) An apparatus for projecting a light beam as recited in Claim 18
wherein said substantially U-shaped hands-free lighting mechanism
has one leg rotatable about a 350-degree arc.

- 20) An apparatus for projecting a light beam as recited in Claim 19 wherein said substantially U-shaped hands-free lighting mechanism has one leg magnetically coupled to a metal structure.

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- 21) An apparatus for projecting a light beam as recited in Claim 1 wherein said lighting mechanism emits a strobe light.

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- 22) An apparatus for projecting a light beam as recited in Claim 1 wherein said lighting mechanism emits a continuous light.

- 15 23) An apparatus for projecting a light beam as recited in Claim 8 wherein said lighting mechanism emits a strobe light.

- 20 24) An apparatus for projecting a light beam as recited in Claim 8 wherein said lighting mechanism emits a continuous light.

- 25 25) An apparatus for projecting a light beam as recited in Claim 17 further comprising a detachably securable magnetic mechanism operationally disposed within the confines of said detachably securable vacuum sealable mechanism to aid in securing said hands-free lighting mechanism to metal.